Clarion

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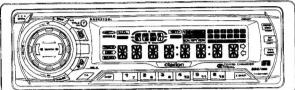
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Service Manual





RDS-EON/FM-MPX/MW/LW Radio CD combination with CD/MD changer control

Model

DRX6575Rz

(PE-2191E-B)

SPECIFICATIONS

Radio section

Tuning system:

PLL synthesizer tuner

Receiving frequencies:

FM: 87.5MHz to 108MHz

(0.05MHz steps)

MW: 531kHz to 1629kHz

(9kHz steps)

LW: 153kHz to 279kHz

(3kHz steps)

CD Player section

System:

Compact disc digital audio system

Frequency response:

5Hz to $20kHz(\pm 1dB)$

Signal to noise ratio:

100dB(1kHz) IHF-A

Dynamic range:

95dB(1kHz)

Distortion:

0.01%

Wow & flutter:

Below measurement limits.

General

Max. power output: 4 × 40W

Power supply voltage:

14.4V DC(10.8 to 15.6V allowable),

negative ground

Power consumption: Less than 15A

Speaker impedance: $4\Omega(4\Omega \text{ to } 8\Omega \text{ allowable})$

Auto antenna rated current:

500mA or less

Weight:

Main unit

Main unit

1.7kg

Remote control unit

30g (including battery)

Dimensions(mm):

 $178(W) \times 50(H) \times 155(D)$

Remote control unit $44(W) \times 110(H) \times 27(D)$ * Specifications and design are subject to change without notice for further improvement.

NOTE

* We cannot supply PWB with component parts in principle. When a circuit on PWB has fallure, please repair it by component parts base. Parts which are not mentioned in service manual are not supplied.

COMPONENTS

PE-2191E-B

Main unit		1
Remote controller	RCB-130-70O	1
Battery(SUM-3)		2
Mounting bracket	300-7745-00	1
DCP case	335-6035-02	1
Escutcheon(OUT-ES)	370-5774-00	1
Extension lead	854-6316-80	1
Parts bag		
Removal tool	331-2548-00	2
Cord clamp	335-0833-01	1
Screw	716-0496-01	1
Rubber cap	345-3653-01	1
A-lead(for cellular phone)	850-6681-00	1

FEATURES

- 1. Rotary Encoder Control with Illuminated Search Key
- 2.Fully Detachable Flip Down Control Panel
- 3.RDS-Pro Receiver with EON, PS, AF, TAT P, PTY, REG and CT
- 4.CD-Deck with 1-Bit D/A Converter and 8-Times Oversampling
- 5.High Power 4×40 W Max./4 Gold Platel RCA Line Level Output
- 6.Controller for MD and CD Changer

■ To engineers in charge of repair or inspection of our products.

Before repair or inspection, make sure to follow the instructions so that customers and Engineers in charge of repair or inspection can avoid suffering any risk or injury.

1.Use specified parts.

The system uses parts with special safety features against fire and voltage. Use only parts with equivalent characteristics when replacing them.

The use of unspecified parts shall be regarded as remodeling for which we shall not be liable. The onus of product liability(PL) shall not be our responsibility in cases where an accident or failure is as a result of unspecified part; being used.

Place the parts and wiring back in their original positions after replacement or re-wiring.

For proper circuit construction, use of insulationtubes, bonding, gaps to PWB, etc, is involved. The wiring connection and routing to the PWB are specially planned using clamps to keep away from heated and high voltage parts. Ensure that they are placed back in their original positions after repair or inspection.

If extended damage is caused due to negligence during repair, the legal responsibility shall be with the repairing company.

3.Check for safety after repair.

Check that the screws, parts and wires are put back securely in their original position after repair. Ensure for safety reasons there is no possibility of secondary problems around the repaired spots.

If extended damage is caused due to negligence of repair, the legal responsibility shall be with the repairing company.

 Caution in removal and making wiring connection to the parts for the automobile.

Disconnect the battery terminal after turning the ignition key off. If wrong wiring connections are made with the battery connected, a short circuit and/or fire may occur. If extensive damage is caused due to negligence of repair, the legal responsibility shall be with the repairing company.

5. Cautions regarding chips.

Do not reuse removed chips even when no abnormality is observed in their appearance. Always replace them with new ones. (The chip parts include resistors, capacitors, diodes, transistors, etc). The negative pole of tantalum capacitors is highly susceptible to heat, so use special care when replacing them and check the operation afterwards.

6.Cautions in handing flexible PWB

Before working with a soldering iron, make sure that the iron tip temperature is around 270°C. Take care not to apply the iron tip repeatedly (more than three times) to the same patterns. Also take care not to apply the tip with force.

- 7.Turn the unit OFF during disassembly and parts replacement. Recheck all work before you apply power to the unit.
- 8. Cautions in checking that the optical pickup lights up.

The laser is focused on the disc reflection surface through the lens of the optical pickup. When checking that the laser optical diode lights up, keep your eyes more than 30cms away from the lens. Prolonged viewing of the laser within 30cms may damage your eyesight.

9. Cautions in handing the optical pickup

The laser diode of the optical pickup can be damaged by electrostatic charge caused by your clothes and body. Make sure to avoid electrostatic charges on your clothes or body, or discharge static electricity before handling the optical pickup.

9-1.Laser diode

The laser diode terminals are shorted for transportation in order to prevent electrostatic damage. After replacement, open the shorted circuit. When removing the pickup from the mechanism, short the terminals by soldering them to prevent this damage.

9-2.Actuator

The actuator has a powerful magnetic circuit. If a magnetic material is put close to it, its characteristics will change. Ensure that no foreign substances enter through the ventilation slots in the cover.

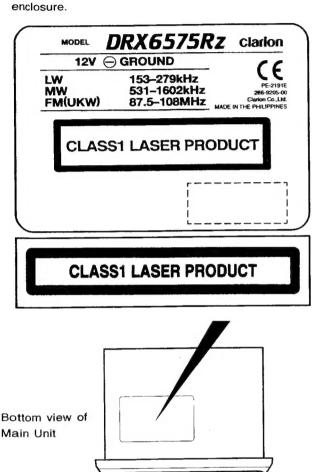
9-3.Cleaning the lens

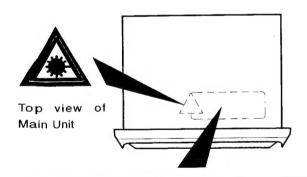
Dust on the optical lens affects performance. To clean the lens, apply a small amount of isopropolalcohol to lens paper and wipe the lens gently.



CAUTIONS

This appliance contains a laser system and is classified as a "CLASS 1 LASER PRODUST". To use this model properly, read this Owner's Manual carefully and keep this manual for your future reference. In case of any trouble with this player, please contact your nearest "AUTHORIZED service station". To prevent direct exposure to the laser beam, do not try to open the





CAUTION -INVISIBLE LASER RADIATION WHEN OPEN AND INTERLOCKS DEFEATED. AVOID EXPOSURE TO BEAM.

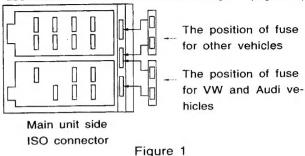
VORSICHTI UNSICHTBARE LASERSTRAHLUNG TRITT AUS. WENN DECKEL GEÖFFNET UND WENN SICHERHEITSVERRIEGELUNG ÜBERBRÜCKT IST. NICHT DEM STRAHL AUSSETZENI

VARNING -OSYNLIG LASERSTRÄLNING NÄR DENNA DEL ÄR ÖPPNAD OCH SPÄRR ÄR URKOPPLAD. STRÅLEN ÄR FARLIG.

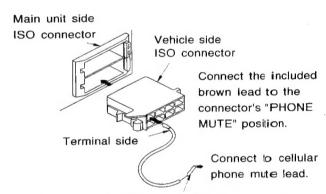
ADVARSEL -USYNLIG LASERSTRÅLING VED ÄBNING, NÅR SIKKERHEDSAFBRYDERE ER UDE AF FUNKTION. UNDGÅ UDSETTELSE FOR STRÅLING.

■ NOTES OF ISO CONNECTOR

1.For VW and Audi vehicles, change the position of fuse installation as shown on the diagram.(Figure 1)



2. The lead include with the unit must be connected to the specified position of the vehicle's ISO connector in order to use the "triggered audio mute for cellular telephones" function. (Figure 2)



Fasten using insulating tape, etc., to prevent short-circuits at the connection.

Figure 2

■ TROUBLESHOOTING

	Problem	Cause	Measure
	Power dose not turn on.	Fuse is blown.	Replace with a fuse of the same amperage. If the fuse blows again, consult your store of purchase.
	(No sound is produced.)	Incorrect wiring.	Consult your store of purchase.
General	No sound output when operating the unit with amplifiers or power antenna attached.	Power antenna lead is shorted to ground or excessive current is required for remote-on the amplifiers or power antenna.	 Turn the unit off. Remove all wires attached to the power antenna lead. Check each wire for a possible short to ground using an ohm meter. Turn the unit back on. Reconnect each amplifier remote wire to the power antenna lead one by one. If the amplifiers turn off before all wires are attached, use an external relay to provide remote-on voltage(excessive current required).
95	Nothing happens when buttons are pressed. Display is not accurate.	The microprocessor has malfunctioned due to noise, etc.	Turn off the power, then press OPEN button and remove the DCP. Press the reset button for about 2 seconds with a thin rod. Reset button
		DCP or main unit connectors are dirty.	Wipe the dirt off with a soft cloth moistened with cleaning alcohol.
i	Compact disc cannot be loaded.	Another compact disc is already loaded.	Eject the compact disc before loading the new one.
	Sound skips or is	Compact disc is dirty.	Clean the compact disc with a soft cloth.
8	noisy.	Compact disc is heavily scratched or warped.	Replace with a compact disc with no scratches.
	Sound is bad directly after power is turned on.	Water droplets may form on the internal lens when the car is parked in a humid place.	Let dry for about 1 hour with the power on.

■ ERROR DISPLAYS

If an error occurs, one of the following displays is displayed. Take the measures described below to eliminate the problem.

	Error Display	Cause	Measure
	ERROR 2	A CD is caught inside the CD deck and is not ejected.	This is a failure of CD deck's mechanism and consult your store of purchase.
당	ERROR 3	A CD cannot be played due to scratches, etc.	Replace with a non-scratched,non-warped disc.
	ERROR 6	A CD is loaded upside-down inside the CD deck and does not play.	Eject the disc then reload it properly.
-i-	ERROR 2	A CD inside the CD changer is not loaded.	This is a failure of CD changer's mechanism and consult your store of purchase.
changer	ERROR 3	A CD inside the CD changer cannot be played due to scratches, etc.	Replace with a non-scratched, non-warped disc.
CD	ERROR 6	A CD inside the CD changer cannot be played because it is loaded upside-down.	Eject the disc then reload it properly.
	ERROR H	Displayed when the temperature in the MD changer is too high and playback has been stopped automatically.	Lower the surrounding temperature and wait for a while to cool off MD changer.
nger	ERROR 2	An MD inside the MD changer is not loaded.	This is a failure of MD changer's mechanism and consult your store of purchase.
MD changer	ERROR 3	An MD inside the MD changer cannot be played due to scratches, etc.	Replace with a non-scratched, non-warped disc.
	ERROR 6	An MD inside the MD changer cannot be played because it is loaded upside-down.	Eject the disc then reload it properly.
		Displayed when a non-recorded MD is loaded in the MD changer.	Load a pre-recorded MD in the MD changer.

If an error display other than the ones described above appears, press the reset button. If the problem persists, turn off the power and consult your store of purchase.

■ ADJUSTMENT

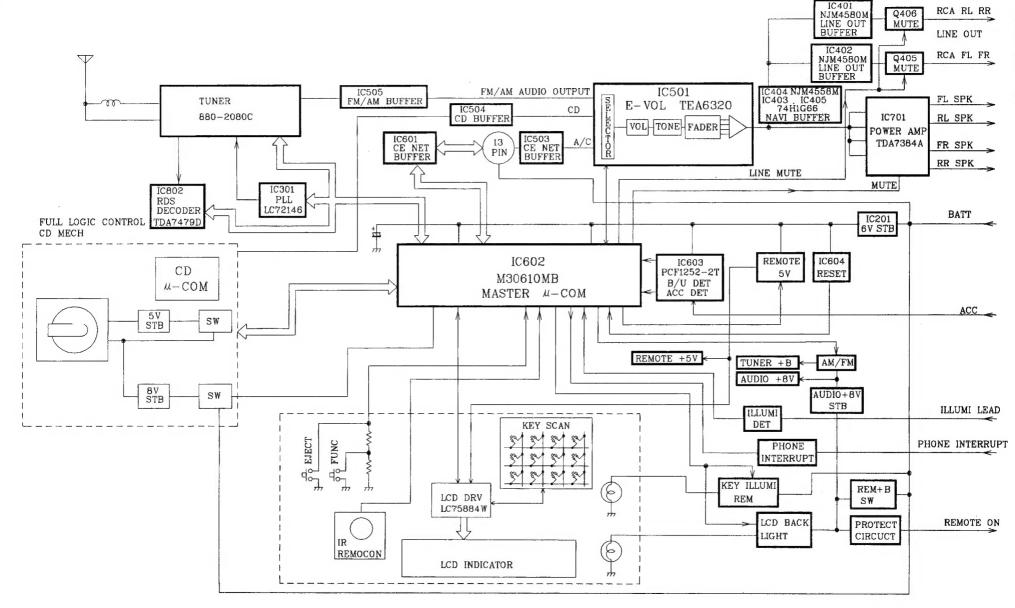
Item	Procedure	Measuring instrument
S-meter	1.Input the 98.1MHz/30dB μ (400Hz-MOD30%)signal.	00
	2. Turn on the power switch. And press the AF button and CH6 button at the	SG
	sametime.(TESTMODE)	
	3.Adjust the reading of LCD indicator to [3000] (3.0V ± 0.2V) by VR1.	

Adjustment point





DRX6575Rz



■ EXPLANATION OF IC:

■ M30620MC-322FP 052-3907-00 MASTER MICRO COMPUTER

```
1.Outward Form: 100 pins QFP
2.Terminal Description
                     : IN : PLL IC S STOP
 pin 1:SSTOP
                    : IN : PLL IC IN LOCK PIN
 pin 2: IN LOCK
 pin 3:NC
                     : IN : GND
 pin 4: REMOCON
                     : IN : IR REMOCON input
 pin 5 : SBSY
                     : IN
                         : GND
                     · IN
 nin
      6: NC
                    : IN : RDS output terminal for discharging the v-
 pin 7 : RDS CLK
                           oltage detected by RDS NOISE
 pin 8: BYTE
                         : Input terminal of DATE detection.
      9 : VSS
                     : IN : GND
 pin
                     : IN : Connecting terminal for oscillating crystal
 pin 10: XCIN
                           for 32.768K
                         : Connecting terminal for oscillating crystal
 pin 11: XCOUT
                           for 32.768K
                     : IN : Micro computer will stop by turning this te-
 pin 12 : RESET
                           rminal to "Low"
                     : O : Connecting terminal for oscillating crystal
 pin 13: X OUT
                           for main system clock CSTCC 10MG
 pin 14 : VSS
                     : - : GND
 pin 15; X IN
                     : IN : Connecting terminal for oscillating crystal
                           for main system clock CSTCC 10MG
                     : - : Outputs signal for 5V power supply GND
 pin 16: VCC
 pin 17: NC
                     : IN : GND
 pin 18: ACC DET : IN: ON/OFF detection terminal for ACC power
                           supply
                     : IN : When this terminal turns low, Micro compt-
 pin 19: B/U DET
                           er detects the B/U OFF and turns micro co-
                           mputer to STOP mode, stopping oscillation.
                     : IN : KEY insertion input terminal low when E-
 pin 20: KEY INT
                           JECT KEY or FNC (POWER) KEY pushed
                           when this terminal turns low.KEY A/D
                           terminal detects the KEY pushed
 pin 21:29 PIN CONECT
                       IN:
                           Micro computer to 29 PIN terminal
                       IN: GND
     22 : NC
  pin
                      : IN : GND
      23: NC
      24 : BEEP
                       O
                           BEEP output terminal
                           Outputs terminal for motor antenna signal.
     25 : AUTO ANT : O
                            Output "H" in RADIO mode.
  pin 26; DIMMER : O; With dimmer ON: "H"
                            With dimmer OFF:"L"
                      : IN: GND
  pin 27: NC
                            Serial data communication line with driver
  pin 28 : LCD CE
                      : 0
                          : IE BUS data communication line
     29 : IE BUS RX : IN
     30 : IE BUS TX
                          : IE BUS data communication line
                       0
                            Serial data communication line with driver
      31 : LCD DO
  pin
      32 : LCD DI
                            Serial data communication line with driver
  pin
                            Serial data communication line with driver
      33 : LCD CLK
  pin
                       0
                            PLL IC control line
  pin
      34 : PLL CE
      35 : PLL DO
                       O: PLL IC control line
      36 : PLL DI
                       IN : PLL IC control line
      37 : PLL SCK
                       O: PLL IC control line
                       IN: Detecting terminal for FM stereo indicator
  pin 38: FM-ST
                       0
                          : NC
  pin
      39 : NC
  pin 40: NC
                       O:NC
  pin 41 : LCD CONT
                      : O : LCD signal output terminal
                      : IN : Initial setting for "H"=BLINK LED
  pin 42: iNT 1
                      : IN : Initial setting for "H"=POWER ANT
  pin 43: INT 2
                            Serial data communication line to electro-
      44: VOL CLK
                      : 0
                            nic volume IC
                            Serial data communication line to electro-
  pin 45: VOL DO
                      . 0
                            nic volume IC
  pin 46 : TONE BYPASS
                            Tone bypass terminal
                            BLINKING LED
      47 : CATS LED : 0
  pin
  pin 48 : BUC0
                        0
                            CD MECH connect terminal
                          : CD MECH connect terminal
      49 : BUC1
  pin
                          : CD MECH connect terminal
  pin
      50 : BUC2
                        O: CD MECH connect terminal
  pin 51: BUC3
                        O: Connected to CD MECHA
  pin 52: BUCK
  pin 53 : CCE
                        O: Connected to CD MECHA
                      : IN : Reset output terminal for CD module CX-
      54 : RST
```

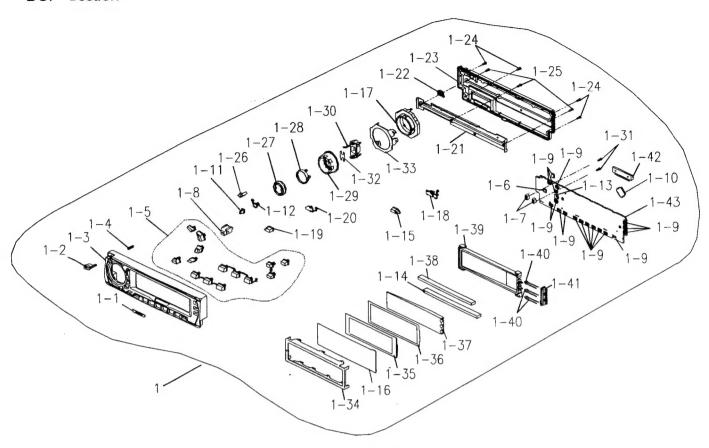
D2545Q

```
pin 55 : CHACK SW : IN :
                    : IN : CD module photo sensor input terminal.
pin 56 : TRA
pin 57 : TR B
                    : IN : CD module photo sensor input terminal.
                    : IN : CD module photo sensor input teminal : IN : CD module loading motor control terminal
pin 58: TR C
pin 59 : MCCW
                    : IN : CD module loading motor control terminal
pin 60: MCW
                        : CD 8V power control terminal for CD module
pin 61: CD 8V
                    : 0
                         Power supply terminal
pin 62 : VDD
                    : O : CD 5V power control terminal for CD module
pin 63 : CD 5V
                        : GND
pin 64 : VSS
pin 65 : NC
                    : IN: GND
pin 66: NC
                    : IN: GND
                    : IN : GND
    67: NC
    68: NC
                     IN: GND
                    : IN : GND
    69: NC
    70: NC
                    : IN : GND
    71: NAV1 MUTE
                    : O : NAV1 MUTE control terminal "H"=MUTE
                    : IN: GND
pin 72: NC
                    : O : 5V power supply control terminal for system
pin 73:5V REM
                      O: 8V power supply control terminal for system
pin 74: +B REM
pin 75 : AMP-MUTE
                    : O : AMP-MUTE terminal "L"=MUTE
pin 76: SYS-MUTE
                    : O : SYSTEM-MUTE terminal "L"=MUTE
pin 77: LINE-MUTE
                      O: LINE OUT MUTE terminal "L"=MUTE
pin 78 : BUS IN/OUT
                    : O : AUDIO IN/OUT control terminal. "H"=IN,
                           "L"=OUT
                   : O : BUS ACC power supply terminal control
pin 79 : SYS ACC
pin 80 : AMP REM DET
                      IN: AMP REM voltage detection terminal
pin 81: AMP REM OUT
                    : O : AMP REM+B outputs Hi by power on, supply
                           +B power
pin 82 : AUTO ANT : O : Motor antenna output terminal.Outputs Hi
pin 83 : PHONE INT
                      IN: "H"=TEL ON signal input
pin 84 : JOG CCW : IN : JOG VR input terminal (L)
                      IN: JOG VR input terminal (R)
pin 85 : JOG CW
                    : IN : Dectection terminal for FM SD Judges SD
pin 86 : FM SD
                           ON by Hi
                    : IN : Dectection terminal for AM SD.Judges SD
pin 87 : AM SD
                           ON by Hi
pin 88 : RDS DATA : IN : Input data from RDS decoder
pin 89: RDS DISCG
                    : O : RDS output terminal for discharging the vo-
                           Itage detected by RDS NOISE
pin 90 : RDS MUTE
                    : O : RDS output terminal for noise reduction during
                           follow-up motion
                         : Connects FM S meter and charages indication
pin 91: S-METER: IN
                           by the wave strength
                    : IN : Noise level detection terminal 1 for RDS
pin 92: NOISE 1
 pin 93 : NOISE 2
                      IN: Noise level detection terminal 2 for RDS
 pin 94 : ILL DET
                      IN: Illumination signal detection terminal
 pin 95 : DIMMER IN
                      IN: GND
 pin 96: AVSS
                          GND
                          Detection terminal for OPEN/EJECT/FNC
 pin 97 : KEY A/D
                           KFY
                         : Standard applied voltage terminal for A/D
 pin 98: AVREF
                           convert
 pin 99: AVCC
                         : B/U 5V voltage supply for A/D cov ent
 pin 100 : NC
                     · IN · GND
```



■ EXPLODED VIEW · PARTS LIST:

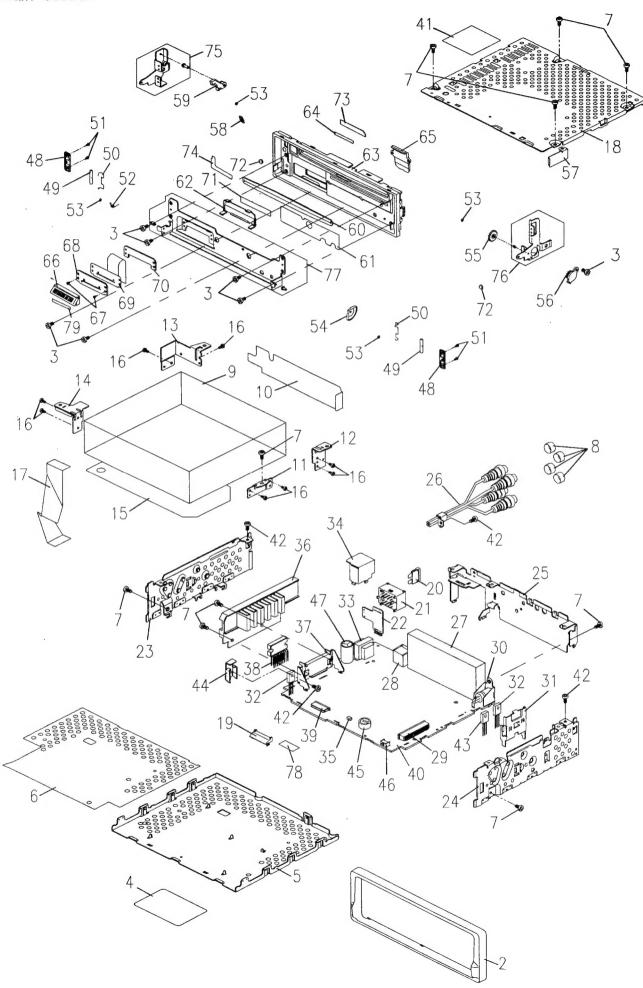
DCP Section



NO.	PARTS NO.	DESCRIPTION	QTY
1	DCP-159-700	DCP ASSY	1
1-1	378-0515-00	BADGE	1
1-2	382-5152-00	BUTTON	1
1-3	370-5770-02	ESCUTCHEON	1
1-4	750-3339-10	SPRING	1
1-5	947-0489-03	BUTTONASSY	1
1-6	001-7040-90	DIODE	1
1-7	013-6302-50	SWITCH	2
1-8	335-5833-00	IR FILTER	1
1-9	013-6504-50	LUMISWITCH	18
1-10	051-6037-00	IC	1
1-11	382-5155-00	BUTTON	1
1-12	335-5834-00	BUTTON HOLDER	1
1-13	060-4008-00	IR-RECEIVER	1
1-14	345-8256-00	RUBBER PART	1
1-15	382-5145-00	BUTTON	1
1-16	373-0908-10	DIAL-CVR	1
1-17	013-8001-00	JOG ROTARY SW	1
1-18	335-5832-00	BUTTON HOLDER	1
1-19	382-5150-00	BUTTON	1
1-20	335-5835-00	BUTTON HOLDER	1
1-21	331-2554-00	REAR-CVR-P	1
1-22	382-5172-00	BUTTON	1_

NO.	PARTS NO.	DESCRIPTION	Q'TY
1-23	335-5860-00	REAR-CVR	1
1-24	716-0872-12	SCREW	4
1-25	738-2035-17	PRECISION	3
1-26	335-5836-01	DUMMYBUTTON	1
1-27	382-5159-00	BUTTON	1
1-28	335-5841-00	BUTTON HOLDER	1
1-29	380-5437-00	JOG DIAL	1
1-30	335-5842-00	BASE PLATE	1
1-31	716-0872-01	SCREW	2
1-32	347-5951-10	REFLECTOR	1
1-33	331-2538-00	JOG SWITCH HOLDER	1
1-34	331-2522-10	LCD-CVR	1
1-35	379-1148-41	INDICATOR	1
1-36	347-5911-10	CCS-FILM	1
1-37	335-5850-00	ILLUMIPLATE	1
1-38	345-8261-10	RUBBER CONNECT	1
1-39	335-5851-00	LCD HOLDER	1
1-40	001-7030-00	DIODE	3
1-41	335-5852-00	LED HOLDER	1
1-42	076-0535-01	PLUG	1
1-43	039-1393-00	SWITCH PWB (WITHOUT COMPONENT)	1

Main Section



NIO.	TRADTONIO	DESCRIPTION	OTT	NO	I DADTO NO	DESCRIPTION	1000
NO.	PARTS NO.	DESCRIPTION	QTY	NO.	PARTS NO.	DESCRIPTION	Q'TY
2	370-5774-00	ESCUTCHEON	1	42	714-3006-81	MACHINE SCREW	4
3	780-2004-01	SCREW	7	43	101-1143-00	TRANSISTOR	1
4	286-9205-00	SETPLATE	1	44	313-1745-00	HEAT SINK	1
5	304-0462-00	LOWER-CVR	1	45	042-0576-00	DOUBLE-LAYER-C	1
6	347-5918-10	INSULATOR	1	46	013-6100-00	SWITCH	1
7	731-3006-80	TAPTIGHT	10	47	042-0447-00	COIL	1
8	345-3799-00	RUBBER PART	4	48	335-5848-00	SPRING HOLDER	2
9	929-0069-82	CD-MECH-MO	1	49	341-1704-00	ROLLER	2
10	347-5993-00	INSULATOR	1	50	750-3327-01	SPRING	2
11	331-2543-00	CD-SUB-BRK	1	51	738-1722-17	PRECISION SCREW	4
12	331-2545-00	CD-SUB-BRK	1	52	750-3342-00	SPRING	1
13	331-2544-00	CD-SUB-BRK	1	53	746-0761-00	WASHER	4
14	331-2542-00	CD-SUB-BRK	1	54	613-0686-00	FAN GEAR	1
15	347-5916-11	INSULATOR	1	55	613-0685-00	GEAR	1
16	716-0717-10	STEEL SCREW	8	56	613-0687-00	GEAR DAMPER	1
17	816-2391-00	FLATCABLE	1	57	331-2744-00	STOPPER	1
18	303-0473-00	UPPER-CVR	1	58	750-3341-10	SPRING	1
19	335-6020-00	CN-CVR	1	59	335-5847-00	HOOK	1
20	060-0057-57	AUTO-FUSE(15A)	1	60	346-0114-10	LEATHER SHEET	1
21	074-1115-00	OUTLET SOCKET	1	61	290-7676-10	LABEL	1
22	039-0887-00	ISO PWB	1	62	335-5849-00	CN-CVR	1
		(WITHOUT COMPONENT)		63	370-5775-00	INNER-ES	1
23	305-0276-00	SIDE-CVR	1	64	347-5923-10	DOUBLE FACE	1
24	305-0277-00	SIDE-CVR	1	65	335-5845-00	ILLUMIPLATE	1
25	307-0617-00	REAR-CVR	1	66	074-1145-01	OUTLET SOCKET	1
26	855-5427-80	RCA-PIN-CORD	1	67	781-1735-00	PRECISION SCREW	2
27	880-2080C	TUNER	1	68	039-1306-00	DCP-PWB	1
28	074-1194-00	OUTLET SOCKET	1			(WITHOUT COMPONENT)	
29	074-0986-26	OUTLET SOCKET	1	69	039-1328-01	FPC	1
30	092-9000-41	ANT-RECEPT	1			(WITHOUT COMPONENT)	
31	313-1747-00	HEAT SINK	1	70	347-5935-10	SPACER	1
32	102-3420-00	TRANSISTOR	2	71	347-5919-10	SURGE PROTECT	1
33	009-9006-80	CHOKE	1	72	345-8265-11	CUSHION	2
34	331-2549-00	SHIELD CASE	1	73	347-5920-10	COVERFILM	1
35	001-7011-92	DIODE	1	74	347-5941-10	HEAT-PROTECT	1
36	313-1746-00	HEATSINK	1	75	946-0074-01	ARM-L-ASSY	1
37	331-2547-00	IC HOLDER	1	76	946-0075-01	ARM-R-ASSY	1
38	051-2029-00	IC	1	77	946-0073-00	HOLDER-ASSY	1
39	074-1198-68	OUTLET SOCKET	1	78	347-6010-10	SPACER	1
40	039-1392-00	MAIN PWB	1	79	347-6037-10	SPACERFILM	1
70	055-1552-00	(WITHOUT COMPONENT)	'	13	047-0007-10	O. AOLIVI ILIVI	
41	201 0002 00		1				
· → 1	291-0083-00	STICKER	1	I			



■ ELECTRICAL PARTS LIST:

Main PWB (B2) section

REF No.	PART No.	DESCRIPTION	REF	- No.	PART No.	DESCRIPTION	RE	F No.	PART No.	DESCRIPTION
IC 201	051-3250-00	LG6GCZ			102-2712-00	2SC2712			010-2230-26	22 μ H
IC 202	051-5416-08	NJM2103M	1	801	125-2031-02	MNU2211T1	L	701	009-9006-80	CHOKE
IC 301	051-6201-00	LC72146M	1	901	103-1802-60	2SD1802FA	L	801	010-2230-35	120 μ H
IC 401	051-3015-00	NJM4580M	1	902	125-0024-02	MNU2111T1		901	010-2230-26	22 μ H
IC 402	051-3015-00	NJM4580M		903	125-2031-02	MNU2211T1		301	061-1066-00	7.2 MHz
IC 403	051-7248-08	74H1G68S		904	102-3420-00	2SC3420	ı	601	060-1505-50	4.5MHz
IC 404	051-0350-03	NJM4558M	1	905	101-1240-00	2SB1240	1	602	061-3506-90	32.768KHz
IC 405	051-7248-08	74H1G68S	1	906	125-2004-06	RN1406	l	801	061-3013-00	4.332 MHz
IC 501	051-5015-00	TEA6320		201	001-7011-02	CL-150YG-CD-T	c	101	176-1801-00	50V 18PF
IC 502	051-0350-03	NJM4558M	I .	202	001-0466-00	S5688B	c	102	176-4701-00	50V 47PF
IC 503	051-3015-00	NJM4580M	1	203	001-0466-00	S5688B	С	103	178-1032-78	25V 0.01 μ F
IC 504	051-3015-00	NJM4580M	1	204	001-0516-00	MA111	С	104	178-1032-78	25V 0.01 μ F
IC 505	051-0350-03	NJM4558M	1	205	001-0466-00	S5688B	С	105	183-1073-22	10V 100 μ F
IC 601	051-6600-08	CA0008AM	1	206	001-0516-00	MA111	С	107	178-1032-78	25V 0.01 μ F
IC 602	052-3907-00	M30620MB	1	207	001-0466-00	S5688B	C	108	178-1032-78	25V 0.01 μ F
IC 603	051-5415-08	MC3346N-27ATR		209	001-0516-00	MA111	С	109	178-1022-78	50V 1000PF
IC 701	051-2029-00	TDA7384	1	210	001-0516-00	MA111	С	110	176-1011-00	50V 100PF
IC 801	051-0350-03	NJM4558M	1	211	001-0377-11	MA4030M	C	111	163-1053-60	50V 1 μ F
IC 802	051-1819-00	TDA7479D	1	401	001-0516-00	MA111	C	112	178-1522-78	50V 1500PF
Q 101		2SD1306	. 1	402	001-0516-00	MA111	С	113	178-4732-78	25V 0.047 μ F
Q 102		MNU2112T1	П	403	001-0516-00	MA111	C	115	183-1073-22	10V 100 μ F
Q 103		2SA1162	11	404	001-0516-00	MA111	С	116	178-1022-78	50V 1000PF
Q 104		2SA1162	П	405	001-0528-44	MA8082M	С	131	178-1032-78	25V 0.01 μ F
Q 201		2SC2712	11	501	001-0516-00	MA111	С	132	178-1032-78	25V 0.01 μ F
Q 202	1	2SA1162	11	502	001-0516-00	MA111	С	199	178-1022-78	50V 1000PF
Q 203		MNU2212T1	D	503	001-0503-46	HZ9B2L	С	201	178-1032-78	25V 0.01 μ F
Q 204		2SB1143	D	601	001-0377-66	MA4160M	С	202	178-1042-78	25V 0.1 μ F
Q 205	101-1237-00	2SB1237	D	602	001-0659-00	SLP-181B-51	C	203	172-1031-10	50V 0.01 μ F
Q 206	100-1162-00	2SA1162	D	603	001-0516-00	MA111	С	205	172-4731-10	50V 0.047 μ F
Q 207	102-2712-00	2SC2712	D	604	001-0377-66	MA4160M	C	206	178-2232-78	25V 0.022 μ F
Q 208	125-2031-03	MNU2212T1	D	609	001-0377-47	MA4091M	С	207	042-0505-81	10V 22 μ F
Q 209	101-1243-00	2SB1243	D	701	001-0466-00	S5688B	C	208	163-1053-60	
Q 210	125-2004-06	RN1406	D	702	001-0466-00	S5688B		211	163-1063-30	16V 10 μ F
Q 211	100-1298-00	2SA1298	D	703	001-0466-00	S5688B	C	213	178-1032-78	25V 0.01 μ F
Q 212	125-2004-06	RN1406	D	704	001-0466-00	S5688B	С	220	178-2232-78	25V 0.022 μ F
Q 213	100-1298-00	2SA1298	D	705	001-0466-00	S5688B	C		163-4753-50	35V 4.7 μ F
Q 214	100-1162-00	2SA1162	D	706	001-0466-00	S5688B	C	231	178-1032-78	25V 0.01 μ F
Q 215	102-2712-00	2SC2712	D	707	001-0466-00	S5688B	С	232	178-2232-78	25V 0.022 μ F
Q 216	102-2712-00	2SC2712	D	708	001-0466-00	S5688B	С	233	176-1011-00	50V 100PF
Q 30°	108-0669-00	2SK669	D	709	001-0592-00	RM4Z	С		178-1042-78	25V 0.1 μ F
Q 302	125-2004-02		D	710	001-0466-00	S5688B	C	266	178-1032-78	25V 0.01 μ F
Q 40°	125-2031-02	MNU2211T1	D	711	001-0466-00	S5688B	ll c	301	178-8222-78	5)V 8 200PF
Q 402	2 125-2004-06	RN1406	D	801	001-0516-00	MA111	С	302	178-1222-78	50V 1200PF
Q 403	3 125-0002-06	RN2406	D	802	001-0516-00	M A111	C	303	178-1042-78	25V 0.1 μ F
Q 404			D	901	001-0503-32		C	304	163-4743-60	5)V 0.47 μ F
Q 40	5 125-4001-00		D	902	001-0503-46		C	305	163-2253-60	50V 2.2 μ F
Q 406	125-4001-00		H	101	010-2230-19	5.6 μ H	С		176-1011-00	5)V 100PF
Q 50			11	102	010-2230-19	5.6 μ H	C	307	176-1011-00	5)V 100PF
Q 502	2 108-0241-50	2SK241	L	201	010-2230-19	5.6 μ H	C	308	176-1011-00	5)V 100PF
Q 50:			11	203	010-2230-14	2.2 μ H	C	309	176-1011-00	5)V 100PF
Q 60			11	204	010-2230-10	1 μ Η	C		183-4763-12	63 √ 47 μ F
Q 60	2 125-2031-03	MNU2212T1		301	010-2230-35	120 μ H		311	176-1201-00	5)V 12PF

REF	No.	PART No.	DESCRIPTION	R	EF No.	PART No.	DESCRIPTION	ĪR	EF No.	PART No.	DESCRIPTION
C 3		176-1201-00	50V 12PF	_			50V 5600PF	0		163-1063-30	
C 4	- 1	163-2263-30		c		1	10V 100 μ F	lo		178-1022-78	1
C 4	- 1	163-1063-30		c		163-1063-30		l _F			1/10W 33K Ω
C 4		163-2263-30		c		1	25V 0.047 μ F	l _F		117-1021-10	
C 4		163-1063-30	· ·	c	535		25V 0.047 μ F	I			1/10W 18KΩ
C 4	- 1	176-1011-00		lc			25V 0.022 μ F	F			1/4WSS 330 Ω
C 4		176-1011-00		lc			25V 0.022 μ F	F		117-1021-10	
C 4	- 1	163-1063-30		Ιc		176-1201-00		F			1/10W 12KΩ
		163-1063-30	1	lc	539	163-1063-30		F			1/10W 8.2KΩ
ı		163-1063-30		lc	540	163-1063-30		F		117-1021-10	
C 4	- 1	163-2263-30		lc	541	163-1063-30		F			1/10W 220K Ω
C 4	- 1	163-1063-30		c	542	163-1063-30		F			1/10W 10KΩ
	- 1	163-2263-30		c	543	176-1201-00		Į,		1	1/10W 10KΩ
1	ı	163-1063-30		lc	544	176-1201-00		F			1/10W 10KΩ
1		176-1011-00	· ·	c	545			F		1	1/10W 4.7KΩ
1		176-1011-00		c	560	176-1011-00	1	F		i	1/10W 10KΩ
1	i i	163-1063-30		c	601	178-1022-78	1	l _F			1/10W 56K Ω
	- 1	163-1063-30	'	C	602	1	50V 1000PF	F			1/10W 10KΩ
1	- 1	163-1063-30		lc	604		25V 0.01 μ F	IF			1/10W 10KΩ
	- 1	163-1063-30	,	c				F			1/10W 1.5KΩ
	- 1		25V 0.01 μ F	c		042-0576-00		F			1/10W 0 Ω JW
	- 1	163-2253-60		C		176-1801-00		F			1/10W 1.5KΩ
	- 1		50V 0.33 μ F	lc		176-1801-00		F		117-8201-10	
	- 1	163-2253-60		c		178-1042-78		F			1/4WSS 1.5 Ω
		178-1822-78		c		163-1063-30		F		1	1/10W 10KΩ
1		178-1822-78		c	611	178-1032-78	25V 0.01 μ F	F			1/10W 10KΩ
1	- 1		25V 0.01 μ F	С	701	163-1053-60	50V 1 μ F	F	203	111-1201-91	1/4WSS 12 Ω
1			25V 0.01 μ F	С	702	163-2243-60	50V 0.22 μ F	R	204	117-1221-10	1/10W 1.2K Ω
C 5		163-1063-30		С	703	163-2243-60	50V 0.22 μ F	F	205	117-1221-10	1/10W 1.2KΩ
1		163-1063-30		C	704	163-2243-60	50V 0.22 μ F	R	206	117-1031-10	1/10W 10KΩ
C 5	10	176-1811-00	50V 180PF	С	705	163-2243-60	50V 0.22 μ F	F	207	117-3321-10	1/10W 3.3K Ω
C 5	11 -	1 76-1811-00	50V 180PF	С	706	183-4763-32	16 V 4 7 μ F	R	208	111-1591-91	1/4WSS 1.5 Ω
C 5	12	178-3322-78	50V 3300PF	C	707	178-4742-78	25V 0.47 μ F	R	210	117-3321-10	1/10W 3.3K Ω
C 5	13 -	1 63-1053 - 60	50V 1 μ F	С	708	163-4753-50	35V 4.7 μ F	R	211	117-2231-10	1/10W 22K Ω
C 5	14 -	163-4753-50	35V 4.7 μ F	С	709	042-0447-00	16V 2200 μ F	R	212	111-1221-91	1/4WSS 1.2KΩ
C 5	15 -	163-4753-50	35V 4.7 μ F	С	710	172-1041-10	50V 0.1 μ F	R	213	117-1031-10	1/10W 10KΩ
C 5	16 1	1 63-4753-50	35V 4.7 μ F	С	801	178-2232-78	25V 0.022 μ F	R	214	111-1521-91	1/4WSS 1.5KΩ
C 5	17 1	1 63-4753-50	35V 4.7 μ F	С	802	176-5611-00	50V 560PF	R	215	117-1031-10	1/10W 10K Ω
C 5	18	163-4753-50	35V 4.7 μ F	C	803	176-5611-00	50V 560PF	R	216	117-3321-10	1/10W 3.3K Ω
C 5	19 1	163-4753-50	35V 4.7 μ F				25V 0.022 μ F	R	217	117-1031-10	1/10W 10K Ω
C 52	20 1	1 63-1053-60	50V 1 μ F				25V 0.01 μ F	R	218	117-3321-10	1/10W 3.3K Ω
C 52	21 1	178-3322-78	50V3300PF	1		163-2253-60		R	219	117-4731-10	1/10W 47KΩ
C 52	22 1	183-4763-32	16V 47 μ F			176-3311-00		R		1	1/10W 15KΩ
C 52	23 1	1 78-1032-78	25V 0.01 μ F			183-4763-12		R	221	117-1031-10	1/10W 10KΩ
C 52	24 1	183-1073-22	10V 100 μ F	C	809	178-1042-78	25V 0.1 μ F	R	222	117-4731-10	1/10W 470K Ω
C 52	25 1	78-1542-78	25V 0.15 μ F	C	810	176-8201-00	50V 82PF	R	223	117-2231-10	1/10W 4.7K Ω
			25V 0.056 μ F	•		176-4701-00		R	224	117-1541-10	1/10W 150KΩ
C 52	27 1	78-5622-78	50V 5600PF	C	814	176-1001-00	50V 10PF	R	225	111-1831-91	1/4WSS 18K Ω
C 52	28 1	83-1073-22	10V 100 μ F			1	10V 100 μ F	R	226	117-4321-10	1/10W 4.3K Ω
C 52	29 1	7 8-1542-78	25V 0.15 μ F	C	902	163-1063-30	16V 10 μ F	R	227	117-8221-10	1/10W 8.2K Ω
C 53	30 1	78-5632-78	25V 0.056 μ F	C	903	183-4763-32	16V 47 μ F	R	228	111-1591-91	1/4WSS 1.5 Ω

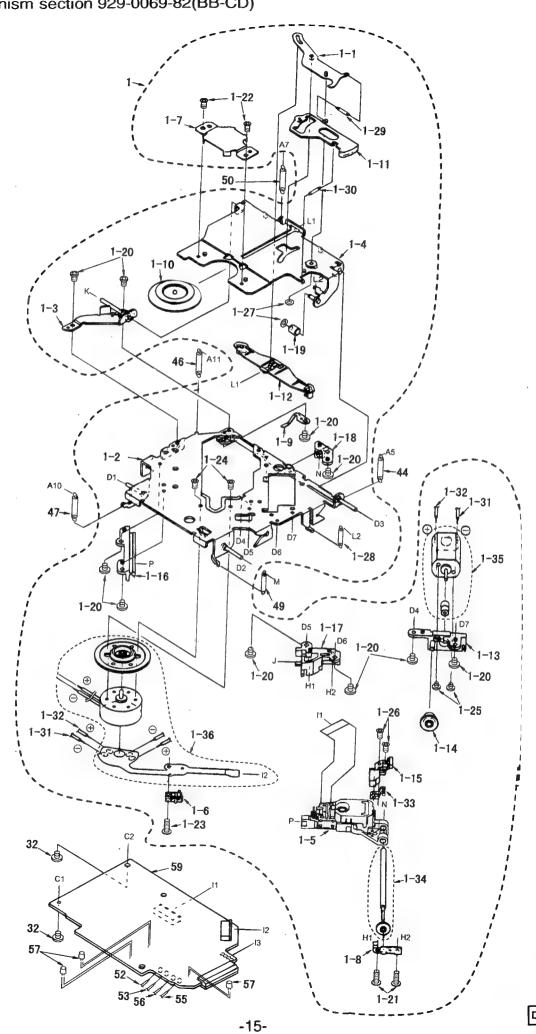
lo c	E NIa	DADTAL	DESCRIPTION	loc	E No.	PART No.	DESCRIPTION	F	REE No.	PART No.	DESCRIPTION
_		PART No.		_			1/10W 330 Ω	ı		117-5131-10	1/10W 51KΩ
1_		111-1591-91	1/4WSS 1.5Ω	1			1/10W 350Ω 1/10W 1KΩ	- 1		117-5131-10	1/10W 51KΩ
R		117-4731-10				l	1/10W 1/3Δ 1/10W 4.7KΩ	-1		117-5131-10	1/10W 51KΩ
IR In		111-4701-91		1			1/10W 47KΩ	١	R 528	117-1531-10	1/10W 15KΩ
IR		111-1221-91	1/4WSS 1.2KΩ			_				117-2231-10	1/10W 13KΩ
IR		111-1811-91	1/4WSS 180 Ω	1			1/10W 47KΩ	١		111-6801-91	1/4WSS 68 Ω
IR _		117-2221-10		1			1/10W 10KΩ			111-1011-91	1/4WSS 100Ω
IR _			1/10W 10KΩ				1/10W 100KΩ	١		111-1011-91	1/4WSS 100Ω
R L			1/10W 10KΩ	1			1/10W 100KΩ	١		117-3321-10	1/10W 3.3KΩ
R		117-1041-10		1_			1/10W 100KΩ			117-3321-10	1/10W 470 Ω
IR			1/10W 2.2KΩ	R			1/10W 100KΩ	١		117-2231-10	
R			1/10W 4.7KΩ	R			1/10W 1KΩ	ı			1/10W 22KΩ
R			1/10W 100 Ω	R			1/10W 1KΩ			117-3311-10	1/10W 330 Ω
R		117-1021-10	!	IR		l.	1/10W 120KΩ	١		117-1521-10	1/10W 1.5KΩ
R		117-1021-10		R			1/10W 47KΩ	۱		117-1031-10	1/10W 10KΩ
R	243	117-1021-10		I ^R			1/10W 4.7KΩ	١		117-4731-10	1/10W 47KΩ
R	244	117-1021-10	1	IR			1/10W 1KΩ	1		117-2231-10	1/10W 22KΩ
R	245		1/10W 100KΩ				1/10W 4.7KΩ	۱		117-1031-10	1/10W 10KΩ
R	246		1/10W 10KΩ	I _		1	1/10W 8.2KΩ			117-5621-10	1/10W 5.6KΩ
R			1/10W 10KΩ	IR		}	1/10W 22KΩ		R 701	117-4721-10	1/10W 4.7KΩ
R	301		1/10W 12KΩ	R		1	1/10W 1KΩ	ı		117-4721-10	1/10W 4.7KΩ
IR	302		1/4WSS 270 Ω	1.			1/10W 10KΩ			117-4721-10	1/10W 4.7KΩ
I ^R		1	1/10W 2.2KΩ	R		1	1/10W 3KΩ			117-4721-10	1/10W 4.7KΩ
IR	304	1	1/10W 1KΩ	R			1/10W 10KΩ		R 801	117-1031-10	1/10W 10KΩ
IR	305	1	1/10W 10KΩ	R			1/10W 20KΩ	П	R 802	117-1231-10	1/10W12KΩ
IR.	306	l .	1/10W 10KΩ	R		1	1/10W 20KΩ	П	R 803	117-3321-10	1/10W 3.3KΩ
1_	307		1/10W 10KΩ			li .	1/10W 10KΩ	П	R 804	117-2231-10	1/10W 22KΩ 1/10W 10OKΩ
IR	308			R	505		1/10W 4.7KΩ	П		117-1041-10 117-2211-10	1/10W 22OΩ
R	309			R			1/10W 4.7KΩ	l	R 806 R 807	117-2211-10	1/10W 2.2KΩ
IR In	310		1/10W 1KΩ	R		l .	1/10W 22K Ω 1/10W 22K Ω		R 901	111-2211-91	1/4WS\$ 220Ω
1	401	1	1/10W 1.8KΩ	R		1	1/10W 2ZKΩ			117-4731-10	1/10W 47KΩ
	403		1/10W 12KΩ	R		1	1/10W 3KΩ	П		1	1/10W 10OKΩ
		117-3021-10	l E	1		4	1/10W 3KΩ			117-1041-10	
			1/10W 1.8KΩ			1	1/10W 2.7KΩ	П		117-1041-10	1/10W 10OKΩ
			1/10W 22KΩ			1	1/10W 4.7KΩ	П		117-0000-00	
- 1			1/10W 22KΩ				1/10W 4.7KΩ	П		111-4711-91	1/4WS§ 470Ω
			1/10W 330 Ω			1	1/10W 13KΩ	П	1	111-4711-91	1/4WS\$ 470Ω
		4	1/10W 330 Ω			1	1	П		111-1221-91	1/4WS§ 1 .2KΩ
- 1			1/10W 1KΩ	- 1		1	1/10W 100KΩ 1/10W 1KΩ			111-1221-91	1/4WS§ 1 .2KΩ
		1	1/10W 1.8KΩ	- 1		1	1	П		117-1031-10	1/10W10KΩ
		1	1/10W 12KΩ			ı	1/10W 1KΩ		1	060-0122-10	DSP-201M-S00B
		1) 1/10W 1.8KΩ	1		1	1/10W 120KΩ			074-1198-68	
1			1/10W 3KΩ			1	1/10W 3KΩ			074-1196-08	
		1	1/10W 3KΩ			l .	1/10W 3KΩ		l .		OUTLET SOCKET
			1/10W 22KΩ			1	1/10W 3KΩ		1	074-1194-00 074-0986-26	OUTLET SOCKET
		1	1/10W 22KΩ			i	1/10W 3KΩ			013-6100-00	SKHLLB(PRESET)
Ľ	418	3 177-3311-10	1/10W 330 Ω	LK	J24	117-5131-10	1/10W 51KΩ		3 201	010-0100-00	ONTILLO(I NLOLI)

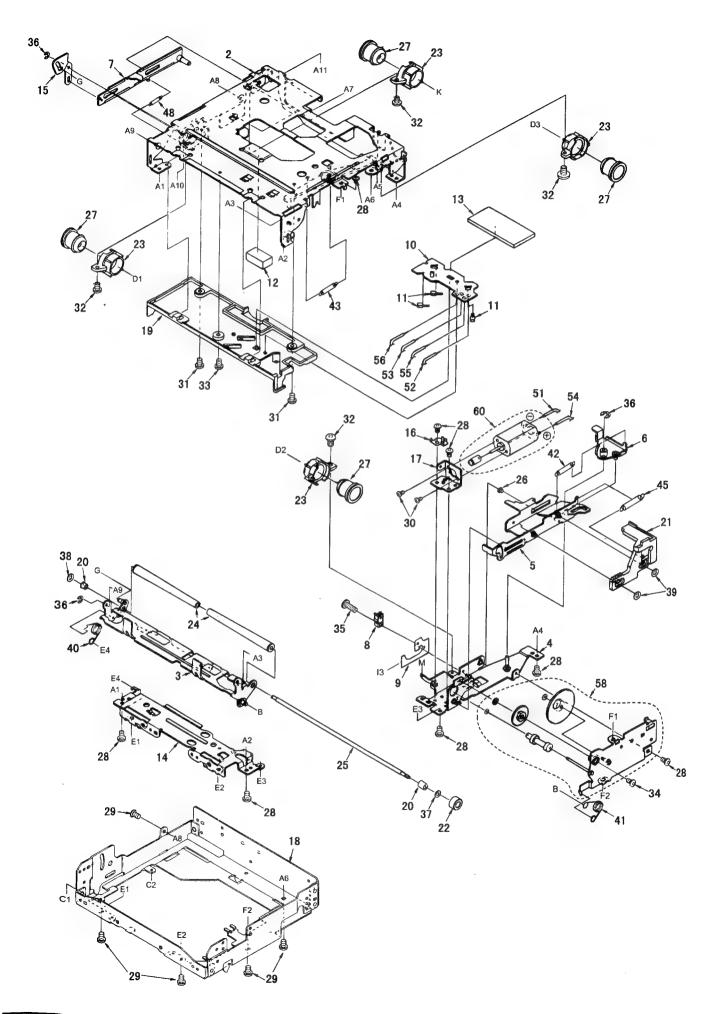
Switch PWB (B1) section

SWILCH	SWITCH PAND (B1) Section							
REF No.	PART No.	DESCRIPTION	REF No.	PART No.	DESCRIPTION	REF No.	PART No.	DESCRIPTION
IC 701	051-6037-00	LC75884W	C 717	042-0416-51	6.3V 10 μ F (TAN)	R 731	117-1821-10	1/10W 1.8K Ω
D 706	001-0584-23	MA8075	R 701	117-1221-10	1/10W 1.2K Ω	CN 701	076-0535-01	PLUG
D 707	001-0584-23	MA8075	R 702	117-1221-10	1/10W 1.2K Ω	PL 701	001-7030-00	NSPB310A
D 708	001-0584-23	MA8075	R 703	117-1221-10	1/10W 1.2K Ω	PL 702	001-7030-00	NSPB310A
D 709	001-0584-23	MA8075	R 704	117-1221-10	1/10W 1.2K Ω	PL 703	001-7030-00	NSPB310A
D 710	001-0584-23	MA8075	R 705	117-1221-10	1/10W 1.2K Ω	S 701	013-6504-50	LS9J2M-1YG
D 711	001-0584-23	MA8075	R 706	117-1221-10	1/10W 1.2K Ω	S 702	013-6504-50	LS9J2M-1YG
D 712	001-0584-23	MA8075	R 707	117-1221-10	1/10W 1.2K Ω	S 703	013-6504-50	LS9J2M-1YG
D 713	001-0584-23	MA8075	R 708	117-1221-10	1/10W 1.2K Ω	S 704	013-6504-50	LS9J2M-1YG
D 714	001-0584-23	MA8075	R 709	117-1221-10	1/10W 1.2K Ω	S 705	013-6504-50	LS9J2M-1YG
D 715	001-0584-23	MA8075	R 710	117-1221-10	1/10W 1.2K Ω	S 706	013-6504-50	LS9J2M-1YG
D 716	001-0516-00	MA111	R 711	117-1221-10	1/10W 1.2K Ω	S 707	013-6504-50	LS9J2M-1YG
D 717	001-0584-23	MA8075	R 712	117-1221-10	1/10W 1.2K Ω	S 708	013-6504-50	LS9J2M-1YG
D 718	001-0584-23	MA8075	R 714	117-3921-10	1/10W 3.9K Ω	S 709	013-6504-50	LS9J2M-1YG
D 719	001-0584-23	MA8075	R 716	117-1821-10	1/10W 1.8K Ω	S 710	013-6504-50	LS9J2M-1YG
D 720	001-0584-23	MA8075	R 717	117-1821-10	1/10W 1.8K Ω	S 711	013-6504-50	LS9J2M-1YG
D 722	001-0584-23	MA8075	R 718	117-4331-10	1/10W 43K Ω	S 712	013-6504-50	LS9J2M-1YG
D 723	001-0584-23	MA8075	R 719	117-1031-10	1/10W 10K Ω	S 713	013-6504-50	LS9J2M-1YG
D 724	001-0584-23	MA8075	R 720	032-0092-80	1/10W 330 Ω 1%	S 714	013-6504-50	LS9J2M-1YG
D 725	001-0584-23	MA8075	R 721	032-0092-80	1/10W 330 Ω 1%	S 715	013-6504-50	LS9J2M-1YG
D 727	001-0516-00	MA111	R 722	032-0092-80	1/10W 330 Ω 1%	S 716	013-6504-50	LS9J2M-1YG
D 730	001-7040-00	NSCB100(BLUE)	R 723	032-0092-80	1/10W 330 Ω 1%	S 717	013-6302-50	SKQMAL
D 731	001-7011-02	CL-150YG-CD-T	R 724	032-0092-80	1/10W 330 Ω 1%	S 718	013-6302-50	SKQMAL
D 732	001-7011-02	CL-150YG-CD-T	R 725	032-0092-80	1/10W 330 Ω 1%	S 720	013-6504-50	LS9J2M-1YG
C 706	178-4735-06	25V 0.047 μ F	R 726	117-1011-10	1/10W 100 Ω	S 721	013-6504-50	LS9J2M-1YG
C 707	178-4735-06	25V 0.047 μ F	R 727	117-1021-10	1/10W 1KΩ	S 722	013-8001-00	JRS0000-1401
C 708	178-4735-06	25V 0.047 μ F	R 728	117-1021-10	1/10W 1KΩ	IR.701	060-4008-00	RS-170
C 709	176-6811-00	50V 680PF	R 729	117-1021-10	1/10W 1KΩ			
C 710	042-0416-51	6.3V 10 μ F(TAN)	R 730	117-1821-10	1/10W 1.8K Ω			

■ EXPLODED VIEW:

CD mechanism section 929-0069-82(BB-CD)





■ PARTS LIST:

CD mechanism section 929-0069-82(BB-CD)

Note) Several different parts of the same reference number are alternative parts.

One of those parts is used in the set.

NO.	DARTNO	DECODIDATION	ОТУ
	PART NO.	DESCRIPTION	1
1	HBS-463-100	DRIVE UNIT	1
1-1	966-0314-01	STOP LINK-ASSY	
1-2	966-0447-04	DR-PLATE-ASSY	1 1
1-3	966-0448-01	SIDE PLATE-ASSY	-
1-4	966-0449-02	CLAMP-LINK-ASSY	1
1-5	969-0050-02	PICK UP UNIT	1
1-6	013-7100-00	LIMT SWITCH	1
1-7	620-0198-03	CLAMPER PLATE	1
1-8	620-0491-03	SPRING PLATE	1 1
1-9	620-0690-01	RATTLE PLATE	1
1-10	621-0205-02	CLAMPER RING	1
1-11	621-0251-03	LOCK LINK	1
1-12	621-0252-03	DISC STOPPER	1
1-13	621-0253-01	MOTOR HOLDER	1
1-14	621-0255-02	SECOUND GEAR	1
1-15	621-0375-00	SH-BASE	1
1-16	621-0357-03	PICK UP GUIDE	1
1-17	621-0358-02	LS-HOLDER-F	1
1-18	621-0359-02	LS-HOLDER-R	1
1-19	622-1073-02	CLAMPER ROLLER	1
1-20	714-2003-81	MACHINE SCREW (M2X3)	10
1-21	716-0675-00	SCREW	2
1-22	716-1468-00	SCREW	2
1-23	716-1555-00	WAVE SCREW	1
1-24	716-1733-00	SCREW	2
1-25	732-2004-11	SEMS SCREW	2
1-26	739-1735-17	PRECISION SCREW	2
1-27	746-0761-00	SCREW	2
1-28	750-3097-03	CLAMPER SPRING	1
1-29	750-3098-00	L-LINK SPRING	1
1-30	750-3099-00	ES-SPRING	1
1-31	816-2372-00	LEAD (BLUE)	1
1-32	816-2373-00	LEAD (WHITE)	1
1-33	966-0454-00	SH-RACK-ASSY	1
1-34	HBS-432-100	LS-GEAR-ASSY	1
1-35	SMA-146-100		1
1-36	SMA-151-100		1
2	966-0308-10	CHASSIS-ASSY	1
3	966-0309-05	L-DISC-G-ASSY	1
4	966-0310-06	SFT-P-CH-ASSY	1
5	966-0312-06	SHIFT-P-ASSY	1
6	966-0358-01	DRIVE-L-PL-ASSY	+ 1
		SIDE-L-PL-ASSY	1
7	966-0359-03 013-3879-01	CHUCKING SWITCH	1
9	039-0586-01	CHUCKING SWITCH PWB	1
10	039-0588-01	(WITHOUT COMPONENT) SENSOR PWB	1
		(WITHOUTCOMPONENT)	
11	060-0252-01	PHOTO-TR (PT4850F)	3
12	345-7513-01	CLAMPER SHEET	1

	D. D. T. 10	DECODIDEION	QTY
NO.	PART NO.	DESCRIPTION C. DIMP. CHEET	1
13	345-7514-00	S-PWB-SHEET	
14	620-0485-04	FRONT PLATE	1
15	620-0488-01	S-L-LINK PLATE	1
16	620-0489-01	MOTOR PLATE	1
17	620-0492-01	MOTOR BRACKET	1
18	620-0773-01	MECH-BRACKET	1
19	621-0402-01	U-DISC GUIDE-F	1
20	621-0243-02	ROLLER SLEEVE	2
21	621-0248-07	RACK GEAR	1
22	621-0249-02	ROLLER GEAR	1
23	621-0250-01	DAMPER HOLDER	4
24	621-0258-03	LOADING ROLLER	2
25	622-1072-05	ROLLER SHAFT	1
26	622-1219-01	SHIFT ROLLER	1
27	629-0058-00	DAMPER-VA	4
28	714-2003-81	MACHINE SCREW (M2X3)	8
29	714-2603-81	MACHINE SCREW (M2.6X3)	5
30	716-1468-00	SCREW	2
31	716-1507-00	SCREW	2
32	716-1670-00	SCREW	6
33	716-1677-00	SCREW	1
34	716-1704-00	SCREW	1
35	716-1742-00	SCREW	1
36	743-1500-10	E-RING	3
37	746-0712-03	WASHER	1
38	746-0762-00	WASHER	1
39	746-0877-02	WASHER	2
40	750-3090-02	RO-SPRING-L	1
41	750-3091-03	RO-SPRING-R	1
42	750-3092-03	SHIFTSPRING	1
43	750-3094-00	S-ARM SPRING	1
44	750-3096-01	DR-SPRING-R	1
45	750-3098-00	L-LINK SPRING	1
46	750-3164-00	DR-SPRING-LR	1
47	750-3188-00	DR-SPRING-F-B	1
48	750-3189-00	SIDE-L-SPRING	1
49	750-3201-00	DR-SPRING-F-R	1
50	750-3202-00	CENTER SPRING-B	1
51	800-4904-60	VINYL-COAT-WIRE (BLK)	1
52	800-4910-60	VINYL-COAT-WIRE (BLK)	1
53	801-4910-60	VINYL-COAT-WIRE (BRN)	1
54	802-4904-60	VINYL-COAT-WIRE (RED)	1
55	802-4910-60	VINYL-COAT-WIRE (RED)	1
56	804-4910-60	VINYL-COAT-WIRE (YEL)	1
57	001-0563-00	DIODE	3
58	HBS-430-100	GEAR-PLATE-ASSY	1
59	039-1088-02	MECHANISM PWB (WITHOUT COMPONENT)	1
60	SMA-147-100	LOADING MOTOR-ASSY	1



■TC9462	051-6342-00 Digital servo for CD
1.Qutward Form: 100	
2.Function : Syn 3.Terminal Description	a.separation,EFM, Error correction
pin 1: TESTO :	IN : Not in use.
•	O : Playback mode flag output. Ref. Table 1.
·	O : Playback mode flag output. Ref. Table 1.
pin 4 : EMPH :	O: Emphasis flag output of Sub cord Q da ta."H"= emphasis ON.
	- : Ground
pin 7:B CK :	O: Bit clock output.(1.4122MHz) O: Audio data output.
pin 9:D OUT :	O : Audio data output. O : Digital output. O : Buffer memory over signal output.
pin 11: IPF :	O : Compensation flag output. O : CRCC judgement output of Sub Q data.
`	"H"=OK.
·	I/O : Clock output/input to read Sub cord P to W.
pin 15: VSS	: Positive supply voltage terminal.: Ground.
pin 16 : DATA :	O: Sub cord P to W data output. O: Frame synchronize signal output.
pin 18 : SB SY :	O: Sub cord block synchronize signe out put.
pin 19: SP CK :	O : Clock signal output to read processor status.(176.4kHz)
pin 20 : SP DA : pin 21 : COFS :	O: Processor status signal output. O: Correction frame clock output.(7.35kHz)
pin 22 : MONIT :	O: Not in use. -: Positive supply voltage terminal.
pin 24 : TESIO0 :	IN : Not in use. — : (Reference voltage) × 2 terminal for PLL
,	O: pin26=Vref: × 2-speed or × 4-speed.
pin 27 : Z DET :	O: 0 flag output of 1 bit DAC.
pin 28 : PDO : pin 29 : TMAX S :	O : Error signal output.(EFM-PLCK) O : TMAX detect signal output.
pin 30 : TMAX :	O: TMAX detect signal output. IN: Inverted input of amplifier for LPF.
pin 32 : LPF O :	O: Output of amplher for LPF.
pin 33 : PVref : pin 34 : VCOref :	Reference voltage terminal for PLL. Reference voltage terminal for VCO.
pin 35 : VCO F :	O: Output of filter for VCO.
pin 37 : SLCO :	O : Output of DAC for data slice level.
pin 39 : AVDD	: IN : RF signal input. : — : Positive voltage supply for analog.
pin 41 : RFZ!	: IN : Center level input of RFRP signal. : IN : RFRP 0 cross.
	: IN : RF ripple signal input. : IN : Focus error signal input.
pin 44 : SBAD	: IN : Sub beam addition signal input. : IN : Not in use.
pin 46 : TEI	: IN : Tracking error input.
	: IN : Tracking error,0 cross input. : O : Focusing equalizer output.
	: O : Tracking equalizer output. : — : Reference voltage for analog.
pin 51 : RFGC	: O : RF gain control signal output. : O : Tracking balance control signal output.
pin 53 : FM O	: O : Field equalizer output.
pin 55 : DMO	: O : Field error or Field search EQ output. : O : Disc equalizer output.
	: — : 2 × Vref for analog. : O : Laser ON and UHS="H" : output"H"
pin 58 : FLG A	: O : Monitor signal output.
pin 60 : FLG C	: O : Monitor signal output. : O : Monitor signal output.
	O : Monitor signal output. : Positive supply voltage.
pin 63 : V SS	: — : Ground. : I/O : I/O port.
pin 65 : IO 1	: I/O : I/O port.
pin 66 : IO 2 pin 67 : IO 3	: I/O : I/O port. : I/O : I/O port.
pin 68 : DMQUT pin 69 : CKSE	: IN : Not in use. : IN : Not in use.
pin 70 : DACK	: IN : Not in use.
pin 71 : TESIN pin 72 : TESIO1	: IN : Not in use. : IN : Not in use.
pin 73 : V SS	: — : Ground.

: IN : DSP oscillator input. : O : DSP oscillator output. pin 74 : PX I pin 75 : PX O pin 76 : VDD : Positive supply voltage. : — : Ground for system oscillator clock. : IN : System clock oscillator input. pin 77 : X VSS pin 78 : X I pin 79 : X O : O : System clock oscillator output. pin 80 : X VDD : Positive supply voltage for system clock oscillator. Positive supply voltage for right channel DAC. pin 81: D VSR pin 82 : R O : Right channel data non-inverted output. : Positive supply voltage for DAC. pin 83 : D VDD pin 84 : D Vref : Reference voltage. : O : Left channel data non-inverted output. pin 85 : L O pin 86 : D VS L pin 87 : TEST 1 pin 88 : TEST 2 pin 89 : TEST 3 : Positive supply voltage for left channel DAC. : IN : Not in use. IN: Not in use. : IN : Not in use. pin 90 : BUSO pin 91 : BUS 1 : I/O: Data bus to micro computer. : I/O: Data bus to micro computer. pin 92 : BUS 2 : I/O :*Data bus to micro computer. pin 93 : BUS 3 : I/O: Data bus to micro computer. pin 94 : VDD : Positive supply voltage. pin 95 : VSS - : Ground. pin 96 : BUS CK : IN : Clock input for data bus. : IN : Chip enable signal input. Negative logic. pin 97 : CCE pin 98 : TEST 4 : IN : Not in use. pin 99: TS MOD : IN : Not in use. pin100: RST : IN : Reset signal input. Negative logic. Table 1. Playback speed flag.

Play back speed	UHSO(pin3)	HSO(pin2)
Normal speed × 1	Н	Н
Normal speed × 2	Н	Ļ
Normal speed × 4	L	<u>H</u>
	L	L

051-6026-08 CD Mechanism Driver TA2058F 1.Outward Form: 20 pins SOP win fins 2.Function : BTL Driver × 4 3.Terminal Description

: Positive supply voltage for the small signal stages. pin 1 : S VCC .

: Input terminal of amplifier1. pin 2: IN 1

: Positive supply voltage for the power stage of amppin 3 : P VCC1

lifier 1.

pin 4 : OUT 1 + : Non-inverted output terminal of amplifier 1. pin 5 : OUT 1 - \odot Inverted output terminal of amplifier 1. pin 6 : OUT 2 - : Inverted output terminal of amplifier 2.

pin 7 : OUT 2 + : Non-inverted output terminal of amplifier 2. pin 8 : P VCC 2 : Positive supply voltage for the plwer stage of ampl-

lifier 2.

: Input terminal of amplifier 2. pin 9 : IN 2 pin 10: Vref : Referance voltage input.

: Decide the standard voltage of output. pin 11: VCI

: Input terminal of amplifier 3. pin 12 : IN 3

pin 13: P VCC 3 : Positive supply voltage for the power stage of amp-

lifier 3.

pin 14 : OUT 3+ : Non-inverted output terminal of amplifier 3.

pin 15 : OUT 3 - 4: Inverted output terminal of amplifier 3. pin 16: OUT 4 - : Inverted output terminal of amplifier 4. pin 17 : OUT 4 + : Non-inverted output terminal of amplifier 4.

pin 18: P VCC 4 : Positive supply voltage for the power stage of amp-

pin 19: IN 4 : Input terminal of amplifier 4.

: Ground of the all small signal stages. pin 20 : \$ GND

The fins are ground of all power stages.

Digital controled Motor Driver ■ BA6283N 051-6027-00

1.Outward Form: S pine SIP

: Forward Rotation, Reverse Rotation, Brake, Free 2.Function

3. Terminal Description

: Motor drive output 2. Ref. Table 1. pin 1: OUT 2

pin 2: RNF : Output stage ground, Resistor connection

terminal to detect the output current.

: Motor drive output 1, Ref.Table 1. pin 3: OUT 1

: Positive supply volgate for the motor drivers. pin 4:VM

pin 5 : GND : Ground.

pin 6: VCC : Positive supply voltage. : Logic input. Ref.Table 1. pin 7:FIN

: Ground pin 8: GND

: Logic input. Ref. Table 1. pin 9: RIN

Table 1. Drive mode table.

Mode name	FIN (pin7)	RIN (pin8)	OUT 1 (pin3)	OUT 2 (pin1)
Forward Rotation	Н	L	Н	L
Reverse Rotation	L	н	L	Н
Brake	Н	Н	L	L
Free	L	L	open	open



■ ELECTRICAL PARTS LIST:

Mechanism PWB (B3) section(CD mechanism)

BEI			DESCRIPTION	REI	No.	PART No.	DESCRIPTION	RE	F No.	PART No.	DESCRIPTION
С	1		6.3V 100 μ F	c	34	176-1501-00	15pF CH	Q	2	102-2712-00	2SC2712
c	2		6.3V 47 μ F	c	35	176-1501-00	15pF CH	R	1	117-1011-10	1/10W 100 Ω
C	3		0.1 μ F	C	38	178-1022-78	1000pF	R	2	117-1841-10	1/10W 180K Ω
c	4	176-2201-00	22pF CH	С	39	178-1042-78	0.1 μ F	В	3	117-1841-10	1/10W 180K Ω
c	5	176-1801-00	18pF CH	С	40	178-1042-78	0.1 μ F	R	4	117-2201-10	1/10W 22 Ω
c	6	176-1801-00	18pF CH	C	41	183-1073-12	6.3V 100 μ F	R	5	117-8231-10	1/10W 82K Ω
С	7	176-8201-00	· .	С	43	183-1073-12	6.3V 100 μ F	R	6	117-1041-10	1/10W 100K Ω
С	8		0.1 μ F	С	44	183-4763-11	6.3V 47 μ F	R	7	117-1041-10	1/10W 100K Ω
С	9		0.22 μ F	c	45	183-1073-12	6.3V 100 μ F	R	8	117-1031-10	1/10W 10K Ω
c	10	I	0.22 μ F	lc	46	178-1032-78	0.01 μ F	R	9	117-2221-10	1/10W 2.2K Ω
c	11	176-4701-00	47pF CH	C	47	178-1042-78	0.1 μ F	R	10	117-1031-10	1/10W 10K Ω
c	12	178-1532-78	0.015 μ F	c	48	178-1032-78	0.01 μ F	R	12	117-1031-10	1/10W 10K Ω
c	13	178-1032-78	0.01 µ F	С	49	176-6801-00	68pF CH	R	13	117-4731-10	1/10W 47K Ω
С	14	178-2722-78	2700pF	С	51	178-1032-78	0.01 μ F	R	15	117-4741-10	1/10W 470K Ω
c	15	178-4722-78	4700pF	С	52	178-1032-78	0.01 μ F	R	17	117-3331-10	1/10W 33K Ω
С	16	176-1201-00	12pF CH	С	54	183-4763-11	6.3V 47 μ F	R	18	117-3311-10	1/10W 330 Ω
С	17	178-4712-78	470pF	С	55	178-1042-78	0.1 μ F	R	19	117-3321-10	1/10W 3.3K Ω
c	18	178-4712-78	470pF	С	56	178-1042-78	0.1 μ F	R	20	117-1031-10	1/10W 10K Ω
С	19	178-4732-78	0.047 μ F	c	58	178-1042-78	0.1 μ F	R	21	117-3321-10	1/10W 3.3K Ω
С	20	178-4732-78	0.047 μ F	С	59	178-2222-78	2200pF	R	22	117-3321-10	1/10W 3.3K Ω
С	21	178-4732-78	0.047 μ F	D	1	001-0563-00	GL380	R	23	117-3321-10	1/10W 3.3K Ω
С	22	178-4732-78	0.047 μ F	D	2	001-0563-00	GL380	R	24	117-3321-10	1/10W 3.3K Ω
С	23	178-1032-78	0.01 μ F	D	3	001-0563-00	GL380	R	26	11.7-1041-10	1/10W 100K Ω
С	25	183-1073-21	10V 100 μ F	D.	4	001-0330-00	1SS119	R	27	117-4711-10	1/10W 470 Ω
С	26	178-1042-78	0.1 μ F	IC	1	051-5704-00	TA2096FN	R	28	117-2211-10	1/10W 220 Ω
С	27	178-1042-78	0.1 μ F	IC	2	051-6342-00	TC9462F	R	29	117-2211-10	1/10W 220 Ω
С	29	178-1042-78	0.1 μ F	IC	3	051-6026-08	TA2058F	R	30	117-4721-10	1/10W 4.7K Ω
С	30	178-1042-78	0.1 μ F	IC	4	051-6027-00	BA6283N	R	34	111-2711-91	1/4WS 270 Ω
С	31	178-1032-78	0.01 μ F	L	1	010-2155-03	10 μ H	R	40	117-3321-10	1/10W 3.3K Ω
С	32	178-1032-78	0.01 μ F	L	3	010-2199-74	10 μ H J	X	1	061-3038-00	HC49 16.9344MHz
С	33	178-1042-78	0.1 μ F	Q	1 '	101-1237-50	2SB1237QR				

Sensor PWB (B6) section

REF No. PART No	DESCRIPTION	REF	No.	PART No.	DESCRIPTION	R	EF No.	PART No.	DESCRIPTION
Q 101 060-0252-	01 PT4850F	Q	102	060-0252-01	PT4850F	Q	103	060-0252-01	PT4850F

Limit switch PWB (B4) section

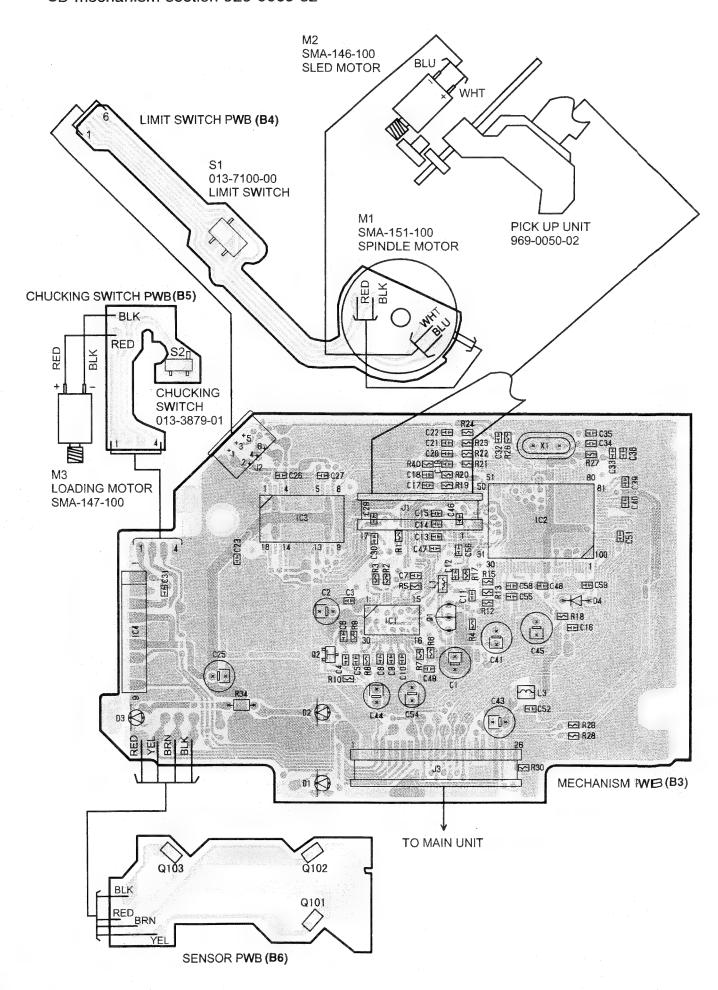
			WILCIT I WED	(D4) 000001					_				
ľ	REF	No.	PART No.	DESCRIPTION	RI	EF No.	PART No.	DESCRIPTION	F	REF	No.	PART No.	DESCRIPTION
ŀ	M		SMA-151-100		М	2	SMA-146-100	SLED	S	3 1		013-7100-00	LIMIT
L													

, Chucking switch PWB (B5) section

RE	F No.	PART No.	DESCRIPTION	RI	EF No.	PART No.	DESCRIPTION
М	3	SMA-147-100	LOADING	s	2	013-3879-01	CHUCKING

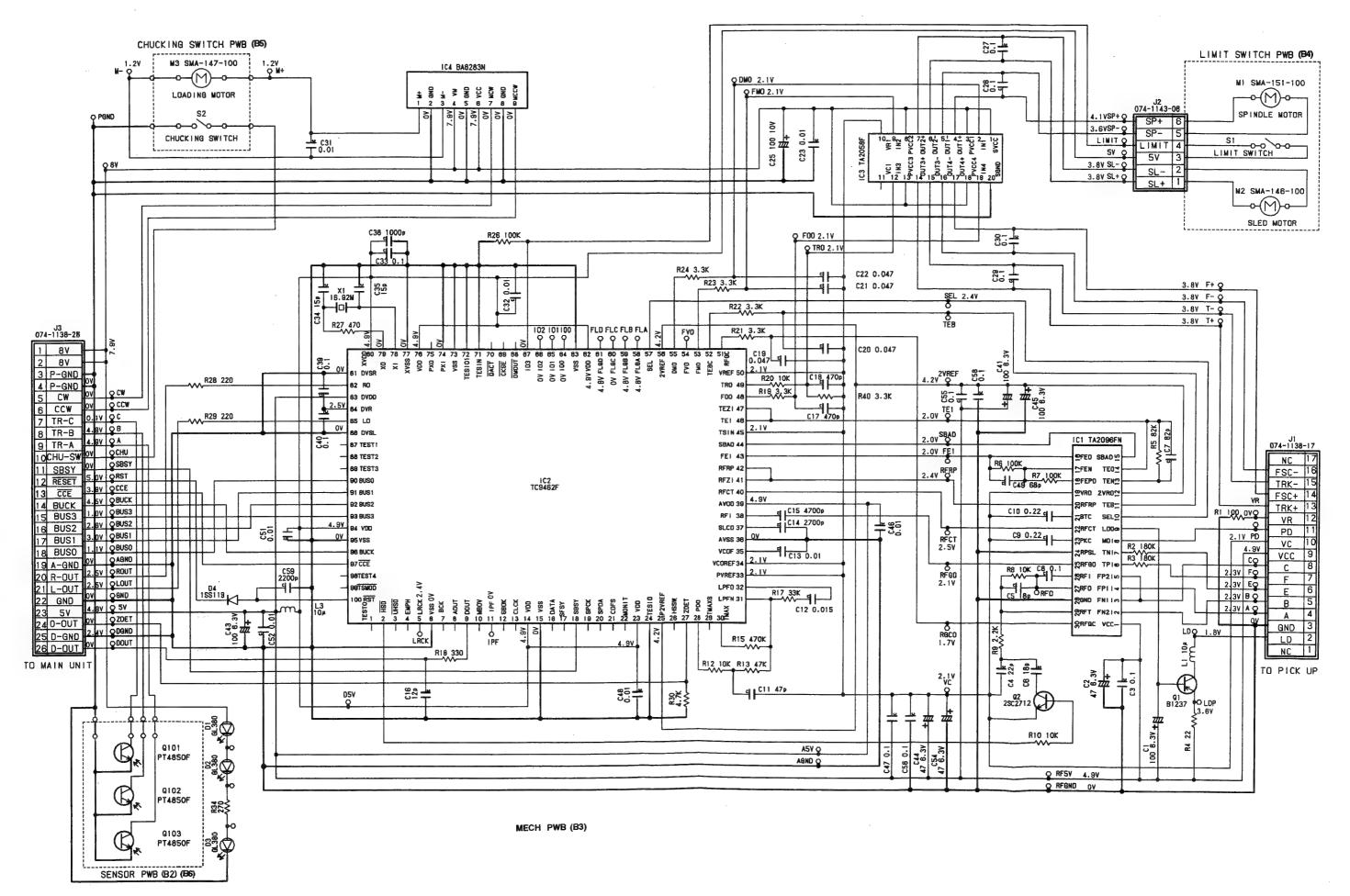
■ PRINTED WIRING BOARD:

CD mechanism section 929-0069-82

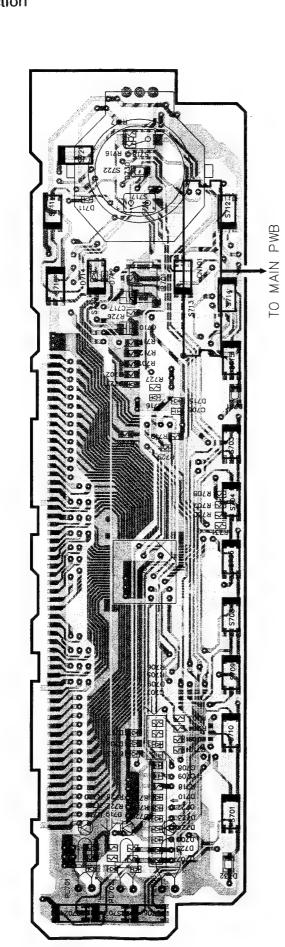


■ CIRCUIT DIAGRAM:

CD mechanism section: 929-0069-82

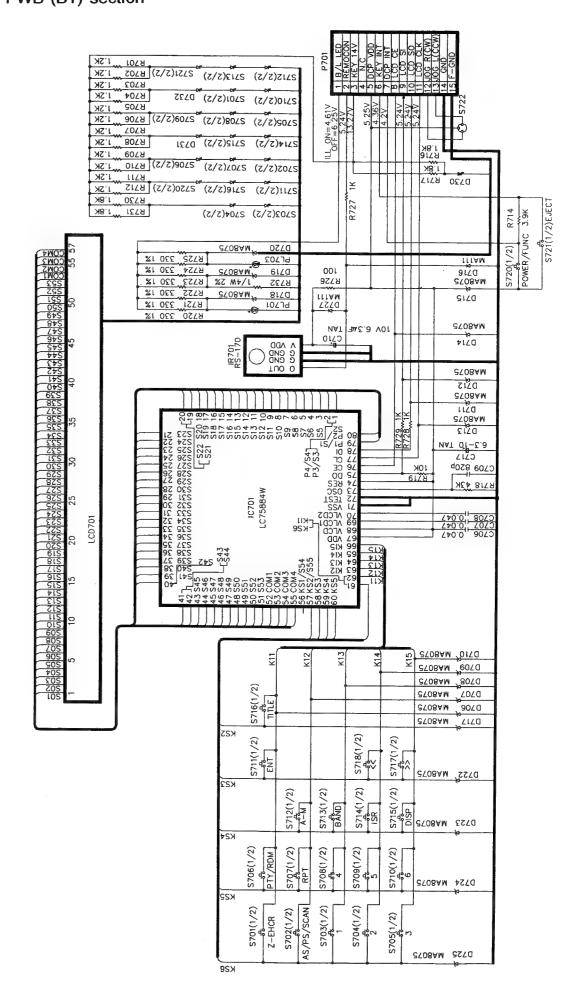


■ PRINTED WIRING BOARD: Switch PWB (B1) section



-23-

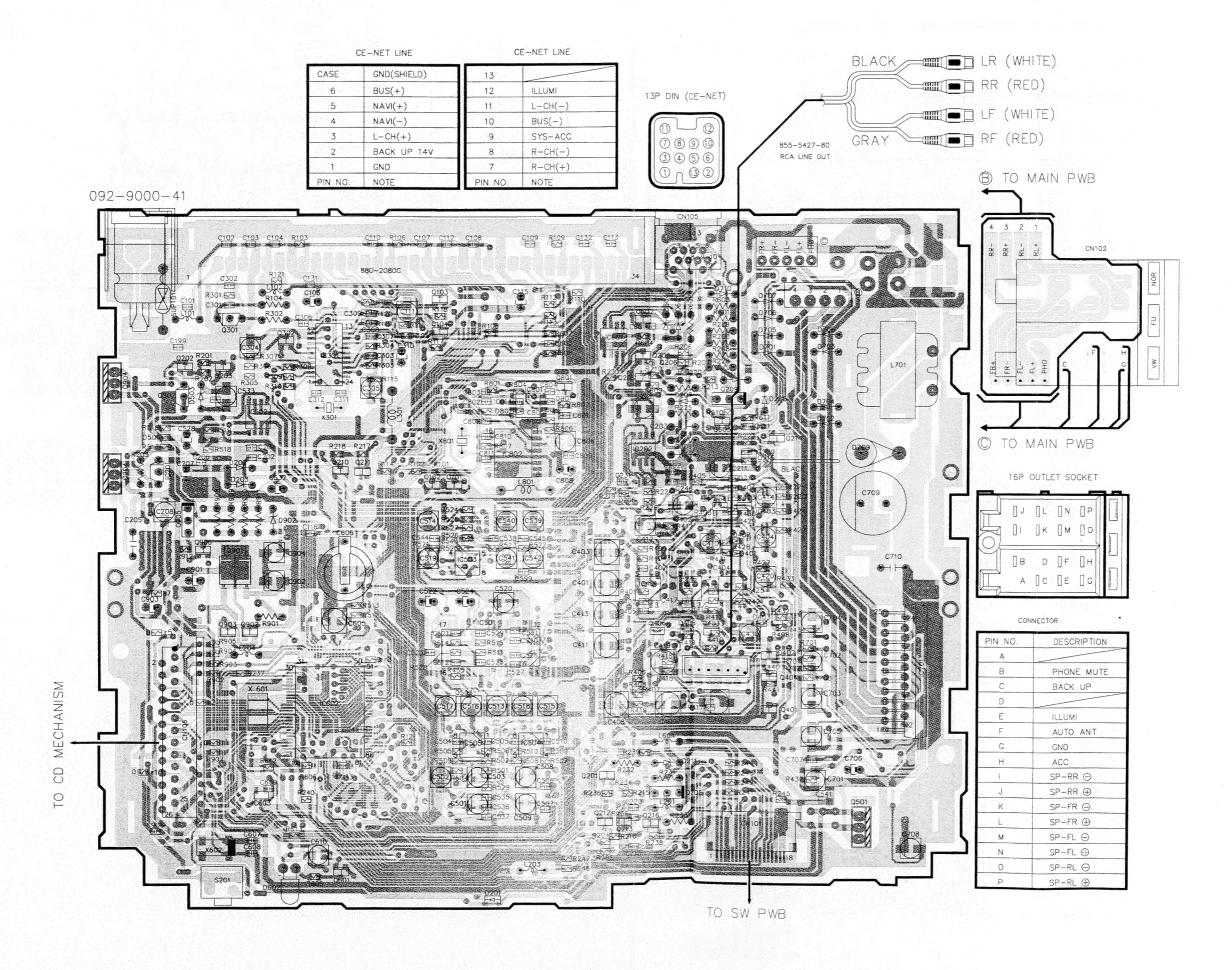
■ CIRCUIT DIAGRAM: Switch PWB (B1) section



DRX6575R2

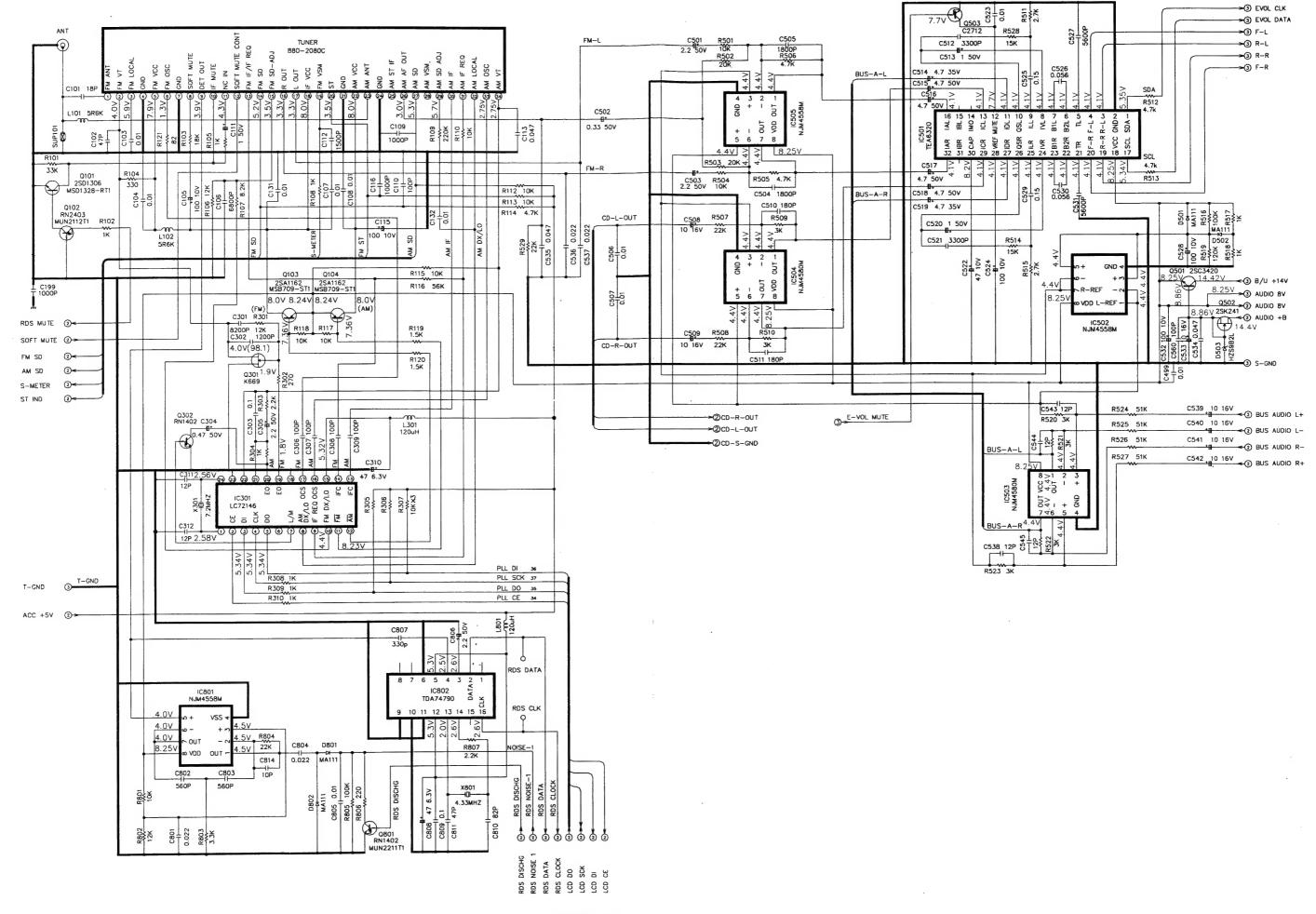
■ PRINTED WIRING BOARD:

Main PWB (B2) section

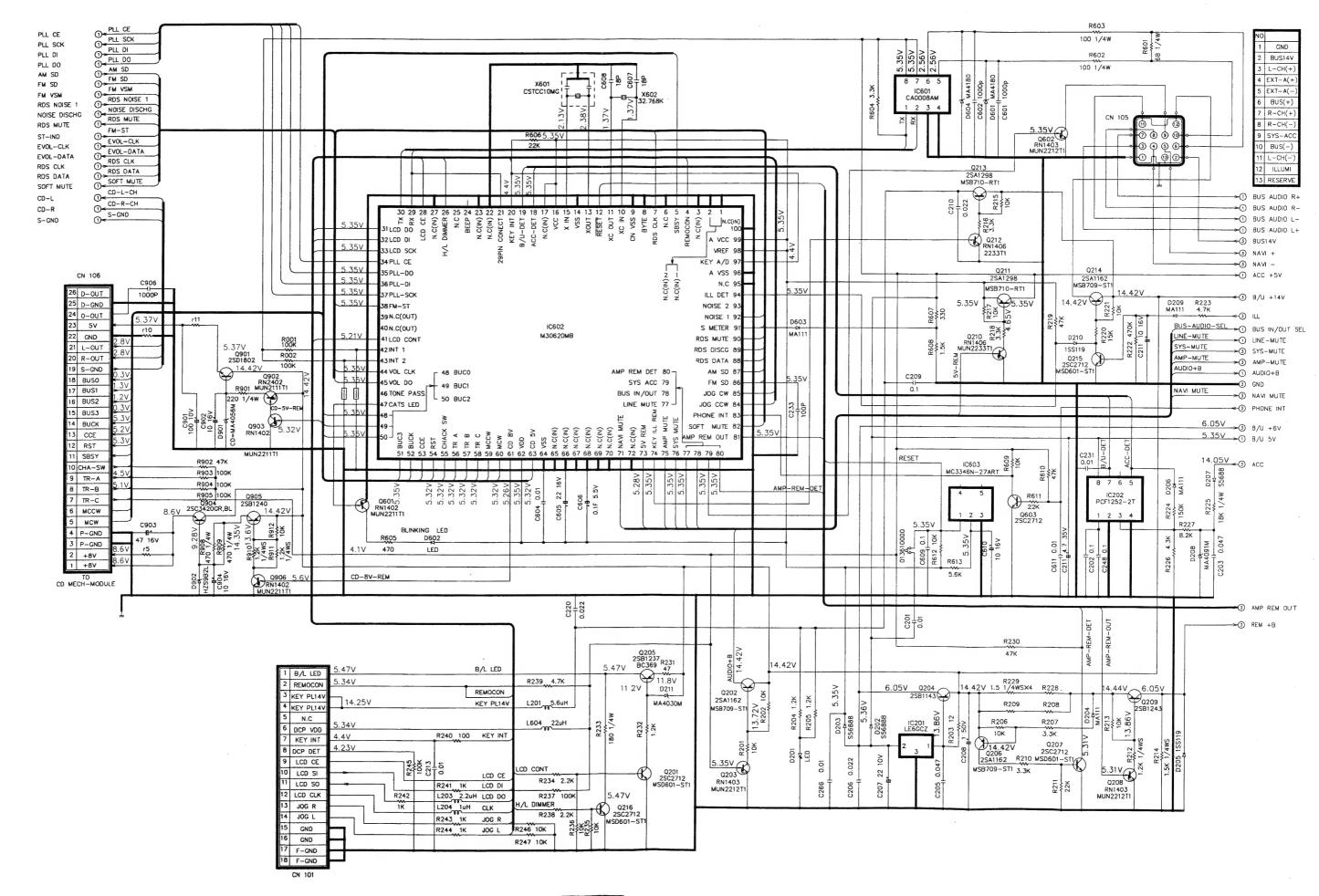


■ CIRCUIT DIAGRAM:

Main PWB (B2) section (1/3)



Main PWB (B2) section (2/3)



Main PWB (B2) section (3/3)

